

9/5/8 (Item 8 from file: 347)  
DIALOG(R)File 347:JAPIO  
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06699389 \*\*Image available\*\*  
METHOD AND DEVICE FOR PROCESSING PICTURE, AND PICTURE DATA FORMAT USED THEREFOR

PUB. NO.: 2000-285220 [JP 2000285220 A]  
PUBLISHED: October 13, 2000 (20001013)  
INVENTOR(s): OONODA HITOSHI  
APPLICANT(s): CANON INC  
APPL. NO.: 11-093491 [JP 9993491]  
FILED: March 31, 1999 (19990331)  
INTL. CLASS: G06T-001/00

#### ABSTRACT

PROBLEM TO BE SOLVED: To obtain the method and device for processing picture, which have characteristics of a command system and can secure the downward compatibility over the future, and to provide a picture data format used therefor.

SOLUTION: When picture data is subjected to picture data and the processing result is outputted, program codes 114 and 124 of the picture processing to which picture data 101 is subjected are stored correspondingly to this picture data 101 in a format of picture data where a picture processing header part 102, which indicates that program codes of picture processing to which general picture data is subjected are attached and picture operation blocks 110 and 120 where program codes of picture processing to which general picture data is subjected are stored are added. When picture data is outputted, the program codes stored correspondingly to this picture data are executed, and picture obtained as the result is outputted.

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9/5/10 (Item 10 from file: 347)  
DIALOG(R)File 347:JAPIO  
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08304177 \*\*Image available\*\*  
METHOD AND DEVICE FOR SPEECH RECOGNITION, AND STORAGE MEDIUM

PUB. NO.: 10-097277 [JP 10097277 A]  
PUBLISHED: April 14, 1998 (19980414)  
INVENTOR(s): KOMORI YASUHIRO  
KOSAKA TETSUO  
APPLICANT(s): CANON INC [000100] (A Japanese Company or Corporation), JP (Japan)  
APPL. NO.: 08-249973 [JP 96249973]  
FILED: September 20, 1996 (19960920)  
INTL CLASS: [6] G10L-003/00; G10L-003/00  
JAPIO CLASS: 42.5 (ELECTRONICS -- Equipment)  
JAPIO KEYWORD: R011 (LIQUID CRYSTALS); R108 (INFORMATION PROCESSING -- Speech Recognition & Synthesis); R131 (INFORMATION PROCESSING -- Microcomputers & Microprocessors)

#### ABSTRACT

PROBLEM TO BE SOLVED: To enable speaker adaptation with a small number of speech data by using phoneme models (phoneme HMM) of unspecified speakers and phoneme environment dependent type HMMs of unspecified speakers as hierarchical structure in phoneme environment, and using a specific speaker phoneme HMM for the speaker adaptation.

SOLUTION: A sound analysis part 102, an output probability calculation part 103, a language search part 105, an input speaker phoneme HMM learning part 201, and a speaker adaptation part 206 are executed under the control of a

CPU according to a control program stored in a ROM or ROM. A model for an input speech is found and this found model for the input speech and an unspecified speaker model having vocal sound hierarchical structure are used to generate a model for recognition. A speech to be recognized is inputted and this generated model for recognition is used to recognize the inputted object speech. Here, a phoneme HMM is used for the model for the input speech to be found and a phoneme environment dependent type HMM of the phoneme HMM unspecified speaker is used for the unspecified speaker model having the vocal sound hierarchical structure.

9/5/26 (Item 26 from file: 347)  
DIALOG(R) File 347:JAPIO  
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01686369 \*\*Image available\*\*  
FILE RETRIEVAL DEVICE

PUB. NO.: 60-164869 [JP 60164869 A]  
PUBLISHED: August 27, 1985 (19850827)  
INVENTOR(s): BABA MASATOSHI  
SOMA AKIRA  
APPLICANT(s): MEIKO SHOKAI KK [399380] (A Japanese Company or Corporation),  
JP (Japan)  
APPL. NO.: 59-020616 [JP 8420616]  
FILED: February 07, 1984 (19840207)  
INTL CLASS: [4] G06F-015/40; B42F-017/34  
JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer Applications); 30.1  
(MISCELLANEOUS GOODS -- Office Supplies)  
JAPIO KEYWORD: R107 (INFORMATION PROCESSING -- OCR & OMR Optical Readers);  
R116 (ELECTRONIC MATERIALS -- Light Emitting Diodes, LED)  
JOURNAL: Section: P, Section No. 420, Vol. 10, No. 9, Pg. 37, January  
14, 1986 (19860114)

#### ABSTRACT

PURPOSE: To enable automatic retrieval of indefinite files whose thickness and form sizes differ from each other by using a file positioning bar and an automatic file posture correction mechanism.

CONSTITUTION: A file storage part consists of upper and lower parts of a pair of side plates 11a and 11b erected at the right and left being coupled and assembled by a pair of optical read means transferring guiderails 12a and 12b, and file positioning bars 13a and 13b. These bars 13a and 13b are provided for arranging properly a storing positions of a back cover of a file F, and a recessed groove 14 is formed in its longitudinal direction. After completion of storing operation of the file F, the device drives a motor 26 to travel a chain 25, and transfers a file pressing plate 23 toward the file F stored. By the travel of the plate 23, the file F arranged in line in large numbers are pressed and corrected in their inclination and all are corrected toward the direction perpendicular to the bars 13a and 13b and the motor 26 stops its drive.

9/5/34 (Item 8 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
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015194315 \*\*Image available\*\*  
WPI Acc No: 2003-254849/200325  
XRPX Acc No: N03-202064

Input files formatting method for medical insurance claims, involves aligning data in input file with standard format and storing resulting format, if resulting format is different from prestored formats

Patent Assignee: MERALLIS CO (MERA-N)

Inventor: BENICE G P; JULIAN G; KENNEY W R; PEET J L; REINHOLDT D R; WELCOME E D

Number of Countries: 001 Number of Patents: 001  
Patent Family:

Patent No Kind Date Applicat No Kind Date Week  
US 6484178 B1 20021119 US 99475476 A 19991230 200325 B

Priority Applications (No Type Date): US 99475476 A 19991230

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes  
US 6484178 B1 23 G06F-017/30

Abstract (Basic): US 6484178 B1

NOVELTY - The format of data records in the input file submitted by a source, is determined. The known data format **stored** in format **database** that closely matches the format used by the source is found and the data in the input file is aligned with standard format. If the resulting format is different from the formats **stored** in **database**, it is **stored** as a new format.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

(1) computer readable medium comprising input files formatting program; and

(2) computer system that converts input file formats into single common file format.

USE - In electronic processing of medical insurance claims.

ADVANTAGE - By accepting **files** in numerous **formats** which may be initially **unknown** and formatting them into a common **format** for processing, reduces amount of human labor and formats at a high rate of speed.

DESCRIPTION OF DRAWING(S) - The figure shows the main menu screen of input files formatting.

pp; 23 DwgNo 1/11

Title Terms: INPUT; FILE; FORMAT; METHOD; MEDICAL; INSURANCE; CLAIM; ALIGN; DATA; INPUT; FILE; STANDARD; FORMAT; **STORAGE** ; RESULT; FORMAT; RESULT; FORMAT; FORMAT

Derwent Class: T01

International Patent Class (Main): G06F-017/30

File Segment: EPI

9/5/36 (Item 10 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014845239 \*\*Image available\*\*

WPI Acc No: 2002-665945/200271

Related WPI Acc No: 2001-256299; 2002-236112

XRPX Acc No: N02-526893

Data compression method for digital multimedia communication, involves analyzing input data blocks for identifying the data type and accordingly content dependent and independent compression technique is used

Patent Assignee: FALLON J J (FALL-I); REALTIME DATA LLC (REAL-N)

Inventor: FALLON J J

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020097172	A1	20020725	US 98210491	A	19981211	200271 B
			US 2000705446	A	20001103	
			US 200116355	A	20011029	
US 6624761	B2	20030923	US 98210491	A	19981211	200364
			US 2000705446	A	20001103	
			US 200116355	A	20011029	

Priority Applications (No Type Date): US 200116355 A 20011029; US 98210491 A 19981211; US 2000705446 A 20001103

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20020097172	A1		51	H03M-007/34	Cont of application US 98210491
					CIP of application US 2000705446
					Cont of patent US 6195024
					CIP of patent US 6309424

US 6624761 B2 G-013/12 Cont of application 98210491  
CIP of application US 2000705446  
Cont of patent US 6195024  
CIP of patent US 6309424

Abstract (Basic): US 20020097172 A1

NOVELTY - An input data block stream is analyzed to identify the data type of each block. A content dependent compression is performed for identified data blocks and content independent compression for unknown type blocks.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is included for storage device for storing compression program.

USE - For digital multimedia communication.

ADVANTAGE - Ensures fast and efficient compression by combined use of content dependent and independent compression technique. Maximum compression is achieved by employing numerous encoders and compression techniques.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of content independent data compression system.

pp; 51 DwgNo 2/18

Title Terms: DATA; COMPRESS; METHOD; DIGITAL; COMMUNICATE; INPUT; DATA; BLOCK; IDENTIFY; DATA; TYPE; ACCORD; CONTENT; DEPEND; INDEPENDENT; COMPRESS; TECHNIQUE

Derwent Class: T01; U21

International Patent Class (Main): G06F-013/12; H03M-007/34

International Patent Class (Additional): G06F-013/38; H03M-007/38

File Segment: EPI

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DIALOG(R)File 350:Derwent WPIX

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014644063 \*\*Image available\*\*

WPI Acc No: 2002-464767/200250

XRPX Acc No: N02-366322

Detecting complete logical records of forms occupied by characters involves transferring unidentifiable data to external evaluation point and recombining processed data into form

Inventor Assignee: WETTSTEIN M (WETT-I)

Inventor: WETTSTEIN M

Number of Countries: 097 Number of Patents: 006

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 1202212	A1	20020502	EP 2000123191	A	20001026	200250 B
WO 200235455	A1	20020502	WO 2001EP12447	A	20011026	200250
AU 200212349	A	20020506	AU 200212349	A	20011026	200257
CZ 200301160	A3	20030917	WO 2001EP12447	A	20011026	200364
			CZ 20031160	A	20011026	
HU 200301524	A2	20031028	WO 2001EP12447	A	20011026	200379
			HU 20031524	A	20011026	
US 20030226117	A1	20031204	WO 2001EP12447	A	20011026	200380
			US 2003249628	A	20030425	

Priority Applications (No Type Date): EP 2000123191 A 20001026

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

EP 1202212 A1 G 9 G06K-009/03

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI

WO 200235455 A1 G G06K-009/03

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

AU 200212349 A G06K-009/03 Based on patent WO 200235455

CZ 200301160 A3 G06K-009/03 Based on patent WO 200235455

Abstract (Basic): EP 1202212 A1

NOVELTY - The method involves generating an image of the form, **storing** image data, identifying characters insofar as they can be identified with a certain degree of reliability, determining non-identified fields, forming a transfer record from the non-identified data and a reference parameter, passing it to an external evaluation point, fully identifying the characters, forming a processed transfer record, passing it back and recombining it with the form.

DETAILED DESCRIPTION - The method involves generating an image of the form (1) and **storing** the image data of individual data fields, identifying characters with a character recognition program (3) insofar as they can be identified with a certain degree of reliability, determining non-identified fields, forming a transfer record (6) from the non-identified data and a reference parameter, passing it to an external evaluation point (7), fully identifying the characters, forming a processed transfer record (8), passing it back and recombining it with the data fields of the same form.

USE - For detecting complete logical records of forms occupied by characters with several separate data fields of uniform spatial position for all forms.

ADVANTAGE - Enables inexpensive re-determination of forms not sufficiently identifiable using a character recognition program while guaranteeing the confidentiality of the information in the forms.

DESCRIPTION OF DRAWING(S) - The drawing shows a schematic representation of a method of detecting complete logical records of forms occupied by characters

form (1)  
character recognition program (3)  
transfer record (6)  
external evaluation point (7)  
processed transfer record (8)  
complete logical record (10)  
pp; 9 DwgNo 1/1

Title Terms: DETECT; COMPLETE; LOGIC; RECORD; FORM; OCCUPY; CHARACTER; TRANSFER; DATA; EXTERNAL; EVALUATE; POINT; RECOMBINATION; PROCESS; DATA; FORM

Derwent Class: T01

International Patent Class (Main): G06F-015/00; G06K-009/03

International Patent Class (Additional): G06K-009/20

File Segment: EPI

9/5/38 (Item 12 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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G14407210 \*\*Image available\*\*  
WPI Acc No: 2002-227913/200229  
XRPX Acc No: N02-174937

Playback device for multi-media data files from memory- store in automobile radio, includes processor with device for displaying an index or list of titles for motor vehicle driver to choose from

Patent Assignee: BOSCH GMBH ROBERT (BOSC ); LAUKE V (LAUK-I); MLASKO T (MLAS-I); MUELLER T (MUEL-I); WANSCHURA M (WANS-I)

Inventor: LAUKE V; MLASKO T; MUELLER T; WANSCHURA M

Number of Countries: 004 Number of Patents: 006

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 10014987	A1	20011004	DE 1014987	A	20000325	200229 B
DE 10014987	C2	20020207	DE 1014987	A	20000325	200229
GB 2363230	A	20011212	GB 20017181	A	20010322	200229
JP 2001312878	A	20011109	JP 200185515	A	20010323	200229
US 20010044664	A1	20011122	US 2001816526	A	20010323	200229
GB 2363230	B	20020529	GB 20017181	A	20010322	200236

Priority Applications (No Type Date): DE 1014987 A 20000325

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
DE 10014987	A1		6	B60R-011/02	
DE 10014987	C2			B60R-011/02	
GB 2363230	A			G11C-007/16	
JP 2001312878	A		7	G11B-027/10	
US 20010044664	A1			G06F-017/00	
GB 2363230	B			G11C-007/16	

Abstract (Basic): DE 10014987 A1

NOVELTY - The processor (6) which is used for decoding the data files, includes a device to represent the index or list in the memory device as different data carriers and the multimedia data files as titles on the display (4). The input device (8) enables the various data carriers and the various titles to be selected.

USE - Playing back multi-media data files from a memory/ store in a motor vehicle radio facility

ADVANTAGE - The play-back device for the very compressed multi-media data files, especially the MP3-coded ones with audio data or even the future MPEG-4 AAC types, enables more convenient operation of the equipment in the automobile by the vehicle driver in order to give better road safety. Considerably simplified operation of the equipment by the motor vehicle driver, thus to a greater extent preventing the driver's attention from being diverted from the road. Enables multi-media data files to be combined with at least one new listing or index or even to be saved anew in the new list.

DESCRIPTION OF DRAWING(S) - A block-circuit arrangement of the play-back device is given.

Processor/decoder (1)

Display (4)

Input device (8)

pp; 6 DwgNo 1/2

Title Terms: PLAYBACK; DEVICE; MULTI; MEDIUM; DATA; FILE; MEMORY; STORAGE; AUTOMOBILE; RADIO; PROCESSOR; DEVICE; DISPLAY; INDEX; LIST; TITLE; MOTOR; VEHICLE; DRIVE; CHOICE

Derwent Class: Q17; T01; W03; W04

International Patent Class (Main): B60R-011/02; G06F-017/00; G11B-027/10; G11C-007/16

International Patent Class (Additional): G06F-003/00; G06F-012/00;

G11B-020/10; G11B-027/34; G11B-027/36; G11B-031/00; H04B-001/00;

H04B-001/20; H05K-011/02

File Segment: EPI; EngPI

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DIALOG(R)File 350:Derwent WPIX

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014362180 \*\*Image available\*\*

WPI Acc No: 2002-182881/200224

XRPX Acc No: N02-139067

Data addition type analyzer adds estimated attributes of unknown data, investigates and correspondingly compresses unknown data

Patent Assignee: FUJITSU LTD (FUIT)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2002014814	A	20020118	JP 2001118107	A	20010417	200224 B

Priority Applications (No Type Date): JP 2000125595 A 20000426

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2002014814	A		11	G06F-009/44	

Abstract (Basic): JP 2002014814 A

NOVELTY - An estimator (2a) estimates the attribute of unknown data

using the algorithm reasoning, based on distribution of stored data of known attribute. An adder (6a) adds estimated attributes of unknown data which is investigated and correspondingly compressed using data compressor (7a), except the known data.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (a) Data analyzing program;
  - (b) Recorded medium storing data analyzing program
- USE - For analyzing data utilized for business.

ADVANTAGE - As addition of data is automatically performed and analyzed, abnormal data is analyzed easily. Thus data compression speed is improved.

DESCRIPTION OF DRAWING(S) - The figure shows the components of data addition type analyzer. (Drawing includes non-English language text).

Estimator (2a)

Adder (6a)

Data compressor (7a)

pp; 11 DwgNo 1/21

Title Terms: DATA; ADD; TYPE; ADD; ESTIMATE; ATTRIBUTE; UNKNOWN; DATA;

INVESTIGATE; CORRESPOND; COMPRESS; UNKNOWN; DATA

Derwent Class: T01

International Patent Class (Main): G06F-009/44

International Patent Class (Additional): G06F-019/00

File Segment: EPI

9/5/45 (Item 19 from file: 350)

DIALOG(R) File 350: Derwent WPIX

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013766731 \*\*Image available\*\*

WPI Acc No: 2001-250942/200126

XRPX Acc No: N01-179269

Internet protocol packet forwarding procedure for internet, involves recognizing packets with unspecified protocol, based on which header data is retrieved to isolate format packets

Patent Assignee: NIPPON TELEGRAPH & TELEPHONE CORP (NITE )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2001045064	A	20010216	JP 99220018	A	19990803	200126 B

Priority Applications (No Type Date): JP 99220018 A 19990803

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2001045064	A		11	H04L-012/56	

Abstract (Basic): JP 2001045064 A

NOVELTY - Novel cell containing the header data is produced and added to the leading end of packets. The cell added packet is forwarded to user network through relay. The packets without having protocol specification is identified during reception and is forwarded to relay or network using header data. The header data from the protocol free packets is retrieved, to isolate the format packets.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (a) Internet protocol packet forwarding apparatus;
- (b) Memory medium storing internet protocol packet forwarding program

USE - For internet.

ADVANTAGE - Increases forwarding bandwidth of network, by raising forwarding capability.

DESCRIPTION OF DRAWING(S) - The figure explains internet protocol packet forwarding process. (The drawing includes non-English language text).

pp; 11 DwgNo 1/8

Title Terms: PROTOCOL; PACKET; FORWARDING; PROCEDURE; PACKET; PROTOCOL; BASED; HEADER; DATA; RETRIEVAL; ISOLATE; FORMAT; PACKET

Derwent Class: W01  
International Patent Class (Main): H04L-012/56  
International Patent Class (Additional): H04L-012/28; H04L-012/46  
File Segment: EPI

9/5/48 (Item 22 from file: 350)  
DIALOG(R) File 350: Derwent WPIX  
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012866171 \*\*Image available\*\*  
WPI Acc No: 2000-038004/200003  
XRPX Acc No: N00-028647

**Data type identifying method for electronic file in image analysis**

Patent Assignee: US NAT SECURITY AGENCY (USGO )

Inventor: SHANER R A

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5991714	A	19991123	US 9864063	A	19980422	200003 B

Priority Applications (No Type Date): US 9864063 A 19980422

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 5991714	A	14	G06F-017/28	

Abstract (Basic): US 5991714 A

NOVELTY - The location of selected data is recorded, if it is determined to be of any data type of interest. If the number of selected lengths of data reach the user definable number of selected lengths of data, recording is stopped. Else, another length of data is selected from the file, where the selected data overlaps with preselected data at any specific position.

DETAILED DESCRIPTION - The user definable length of data is selected from the electronic file of unknown data type. The number of unique n-grams within each exemplary file of each data type of interest, is determined. The user definable threshold is established for each data type of interest for determining data type. The unique n-grams in file of particular data type, is listed in order of descending magnitude of weight for each data type of interest.

USE - For identifying data type in electronic file for image analysis.

ADVANTAGE - Identifies the type of data and language used in electronic file, automatically. The stored n-grams may be hashed to facilitate efficient look-up and the weights may be scaled to fit certain byte size.

DESCRIPTION OF DRAWING(S) - The figure shows steps for characterizing data types.

pp: 14 DwgNo 1/9

Title Terms: DATA; TYPE; IDENTIFY; METHOD; ELECTRONIC; FILE; IMAGE; ANALYSE

Derwent Class: T01

International Patent Class (Main): G06F-017/28

File Segment: EPI

9/5/55 (Item 29 from file: 350)  
DIALOG(R) File 350: Derwent WPIX  
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010367622 \*\*Image available\*\*  
WPI Acc No: 1995-268984/199535  
Related WPI Acc No: 1993-352863; 1993-352864; 1995-035900; 1995-193776;  
1995-214975; 1995-275159; 1995-320216; 1996-019229; 1996-077217;  
1996-097357; 1996-160001; 1998-347931  
XRPX Acc No: N95-206793

**Processing appts for mixed binary length encodings containing definite and indefinite length formats - processes encodings which contain indefinite length encodings with nested definite length encodings by**



keeping track of level of nesting

Patent Assignee: RICOH CORP (RICO ); RICOH KK (RICO )

Inventor: MANGAT S S; MOTOYAMA T

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5436627	A	19950725	US 92876251	A	19920430	199535 B
			US 92876601	A	19920430	
			US 92931808	A	19920811	
			US 9366383	A	19930521	

Priority Applications (No Type Date): US 9366383 A 19930521; US 92876251 A 19920430; US 92876601 A 19920430; US 92931808 A 19920811

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5436627	A		26	H03M-007/40	CIP of application US 92876251
					CIP of application US 92876601
					CIP of application US 92931808
					CIP of patent US 5319748
					CIP of patent US 5325484
					CIP of patent US 5416896

Abstract (Basic): US 5436627 A

The apparatus comprises a communication device for receiving a document data stream having mixed definite length and indefinite length encodings, both of which have preamble and content information, a processing device, connected to the communication device, for processing the document data stream having mixed definite length and indefinite length encodings and a temporary **storage** device, connected to the processing device, for **storing** the preamble information of the definite length and indefinite length encodings as the processing device is processing the document data stream.

The temporary **storage** device comprises a stack for **storing** length information contained in the preamble information of the definite length encoding.

USE - Processing binary SPDL **files** according to ASN.1 containing mixed definite and **indefinite** length **formats**

Dwg.6/16B

Title Terms: PROCESS; APPARATUS; MIX; BINARY; LENGTH; CONTAIN; DEFINITE; INDEFINITE; LENGTH; FORMAT; PROCESS; CONTAIN; INDEFINITE; LENGTH; NEST; DEFINITE; LENGTH; KEEP; TRACK; LEVEL; NEST

Index Terms/Additional Words: STANDARD; PAGE; DESCRIPTION; LANGUAGE

Derwent Class: U21

International Patent Class (Main): H03M-007/40

File Segment: EPI

9/5/62 (Item 36 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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008230406 \*\*Image available\*\*

WPI Acc No: 1990-117407/199016

XRPX Acc No: N90-091002

Adaptive, general purpose image measurement and recognition - extracting geometric features and combining them by statistical feature extraction using adaptive learning system

Patent Assignee: AGENCY OF IND SCI & TECHNOLOGY (AGEN ); OYO KEISOKU

KENKYUSHO KK (OYOK-N); OUYO KEISOKU KENKYU (OYO-N)

Inventor: KURITA T; KUWASHIMA S; OTSU N

Number of Countries: 007 Number of Patents: 007

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 363828	A	19900418	EP 89118529	A	19891005	199016 B
EP 363828	A3	19920812	EP 89118529	A	19891005	199336
US 5442716	A	19950815	US 89414530	A	19890929	199538
			US 91778741	A	19911018	
			US 9380976	A	19930624	

US 5619589	A	19970	US 89414530	A	19890929	99720
			US 91778741	A	19911018	
			US 9380976	A	19930624	
			US 94353323	A	19941205	
EP 363828	B1	19990107	EP 89118529	A	19891005	199906
DE 68928895	E	19990218	DE 628895	A	19891005	199913
			EP 89118529	A	19891005	
JP 2982814	B2	19991129	JP 88255678	A	19881011	200002

Priority Applications (No Type Date): JP 88255679 A 19881011; JP 88255678 A 19881011

Cited Patents: SR.Pub; 3.Jnl.Ref; US 3267431; AUS 4288779

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 363828	A		25		
Designated States (Regional): DE FR GB IT SE					
JP 2982814	B2		10	G06T-007/00	Previous Publ. patent JP 2101586
EP 363828	A3		25		
US 5442716	A		22	G06K-009/62	Cont of application US 89414530
					Cont of application US 91778741
US 5619589	A		22	G06K-009/66	Cont of application US 89414530
					Cont of application US 91778741
					Cont of application US 9380976
					Cont of patent US 5442716
EP 363828	B1 E			G06K-009/52	
Designated States (Regional): DE FR GB IT SE					
DE 68928895	E			G06K-009/52	Based on patent EP 363828

Abstract (Basic): EP 363828 A

Initially a large number of general and basic features are extracted which satisfy conditions of being invariant to lateral displacement and are additive with respect to the image frame. New features are then extracted and adaptatively optimised to specific applications through learning by linearly combining the initial features using statistical character extraction.

The geometric operation can be based on feature extraction by local autocorrelation masks based on Nth order autocorrelation/ The statistical feature extraction can use linear regression analysis or similar in multivariate analysis.

USE/ADVANTAGE - Allows two dimensional image patterns to be measured universally and rapidly in real-time allowing parallel processing and adaptive learning. (25pp Dwg.No.2/25)

Title Terms: ADAPT; GENERAL; PURPOSE; IMAGE; MEASURE; RECOGNISE; EXTRACT; GEOMETRY; FEATURE; COMBINATION; STATISTICAL; FEATURE; EXTRACT; ADAPT; LEARNING; SYSTEM

Derwent Class: T01; T04

International Patent Class (Main): G06K-009/52; G06K-009/62; G06K-009/66; G06T-007/00

International Patent Class (Additional): G06K-009/46

File Segment: EPI

9/5/63 (Item 37 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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008105745 \*\*Image available\*\*

WPI Acc No: 1989-370856/198950

XRFX Acc No: N89-282265

Document recognition and automatic indexing for OCR - intelligently associating text characters in certain locations with information fields defined by pre-printed lines

Patent Assignee: EASTMAN KODAK CO (EAST )

Inventor: BARSKI L L; GABORSKI R S; GABORSKI S

Number of Countries: 003 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 8911703	A	19891130	WO 89US2037	A	19890515	198950 B

US 4949392	A	19900	US 88196513	A	19880520	99035
JP 3504423	W	19910913	JP 89506309	A	19890515	99145
EP 481979	A	19920429	EP 89906581	A	19890515	199218
EP 481979	B1	19931020	EP 89906581	A	19890515	199342
			WO 89US2037	A	19890515	

Priority Applications (No Type Date): US 88196513 A 19880520

Cited Patents: 2.Jnl.Ref; EP 262462

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 8911703	A	E	20		

Designated States (National): JP

Designated States (Regional): GB

EP 481979	A	E	20
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Based on patent WO 8911703

Designated States (Regional): GB

EP 481979	B1	E	14
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Based on patent WO 8911703

Designated States (Regional): GB

Abstract (Basic): WO 8911703 A

The document recognition system **stores** a library of templates defining the spacings between pre-printed lines and the line lengths for a number of different business **forms**, which are compared with the image **data** of an **unknown** document to determine the known business **form** template to which the document corresponds. Once the form of the document is determined, an optical character recognition system may intelligently associate the text characters in certain locations on the document with information fields defined by the pre-printed lines.

The pre-printed lines are determined from the template and removed from the image data prior to optical character recognition processing.

ADVANTAGE - Automatic recognition of document types, thus saving operator time.